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states:

(71) Applicant: **MITSUI PETROCHEM IND LTD**

(72) Inventor: **YUKIMUNE TAKAHITO
HARA YASUHIRO**

(74) Representative:

(54) PRODUCTION OF TAXANE TYPE DITERPENE

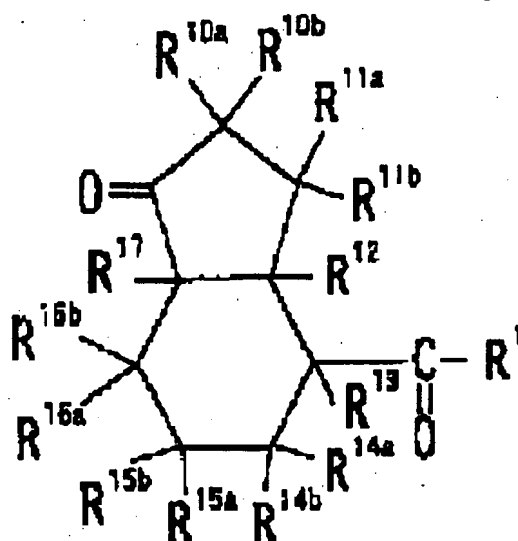
(57) Abstract:

PURPOSE: To efficiently obtain the subject compound useful as a therapeutic agent, etc., for ovarian, mammary, lung cancers, etc., by culturing a cell or a tissue of a plant capable of producing a taxane type diterpene in a culture medium containing coronatines, a microorganism capable of producing the same, its culture solution, a culture extract, etc.

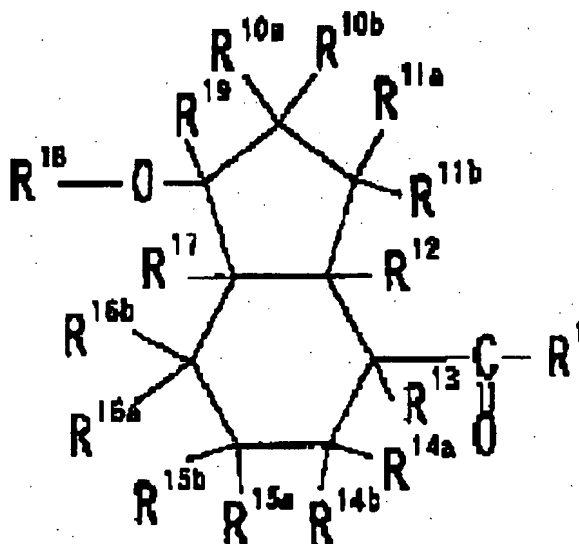
CONSTITUTION: A cultured cell or a tissual cell of a plant (e.g. *Taxus beccata* Linn) capable of producing a taxane type diterpene (e.g. taxol) or both are cultured in a culture medium containing one or more of coronatines represented by formula I [R1 is OH, OR2 (R2 is a 1-6C alkyl, etc.), OM1 (M1 is an alkali metal, an alkaline earth metal or NH4), NR3aR3b (R3a and R3b are each H, a 1-6C acyl, a 1-6C alkyl, etc.), etc.; R10a, R10b, R11a, R11b, R12, R13, R14a, R14b, R15a, R15b, R16a, R16b and R17 are each H, OH, a 1-6C alkyl or a 1-6C alkoxy] or formula II (R18 is H, a 1-6C alkyl or a carbohydrate; R19 is

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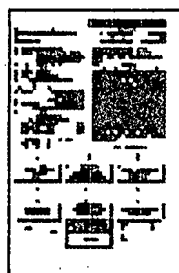
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HARA YASUHIRO;**Assignee: **mitsui petrochem ind ltd**
[News, Profiles, Stocks and More about this company](#)Published / Filed: **Aug. 13, 1996 / Nov. 20, 1995**Application Number: **JP1995000301654**IPC Code: **C12P 17/02; A61K 31/12; A61K 31/16; A61K 31/335; A61K 35/78;
A61K 35/78; C07H 13/00; C07H 15/20; C07H 15/18; C12P 17/02;**Priority Number: **Dec. 5, 1994 JP1994000301179**

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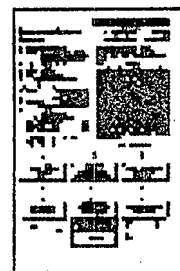
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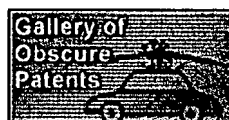
PDF	Publication	Pub. Date	Filed	Title
	EP0727492A3	Oct. 16, 1996	Nov. 27, 1995	A method of producing a taxane-type diterpene
	EP0727492A2	Aug. 21, 1996	Nov. 27, 1995	A method of producing a taxane-type diterpene
	CA2163614AA	May 26, 1996	Nov. 23, 1995	METHOD OF PRODUCING A TAXANE-TYPE DITERPENE
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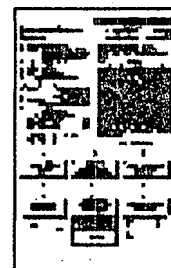
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Family:

PDF	Publication	Pub. Date	Filed	Title
	US6465221	Oct. 15, 2002	March 19, 2001	Method of producing a taxane-type diterpene
	JP9065889A2	March 11, 1997	Aug. 28, 1995	PRODUCTION OF TAXANE-TYPE DITERPENE
	JP8205882A2	Aug. 13, 1996	Nov. 20, 1995	PRODUCTION OF TAXANE TYPE DITERPENE
	JP8163991A2	June 25, 1996	Dec. 15, 1994	PRODUCTION OF TAXANE-TYPE

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				DITERPENE
	JP8140690A2	June 4, 1996	Nov. 25, 1994	PRODUCTION OF TAXANE-TYPE DITERPENE
	EP0727492B1	Jan. 31, 2001	Nov. 27, 1995	A method of producing a taxane-type diterpene
	EP0727492A3	Oct. 16, 1996	Nov. 27, 1995	A method of producing a taxane-type diterpene
	EP0727492A2	Aug. 21, 1996	Nov. 27, 1995	A method of producing a taxane-type diterpene
	DE69520034T2	July 19, 2001	Nov. 27, 1995	VERFAHREN ZUR HERSTELLUNG EINES DITERPENS VOM TAXANTYP
	DE69520034C0	March 8, 2001	Nov. 27, 1995	METHODE ZUR HERSTELLUNG EINES DITERPENS VOM TYP TAXAN
	CN1132792A	Oct. 9, 1996	Nov. 25, 1995	METHOD OF PRODUCING TAXANE-TYPE DITERPENE
	CN1068381B	July 11, 2001	Nov. 25, 1995	METHOD OF PRODUCING TAXANE-TYPE DITERPENE
	CA2163614AA	May 26, 1996	Nov. 23, 1995	METHOD OF PRODUCING A TAXANE-TYPE DITERPENE
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